

Fig. 1

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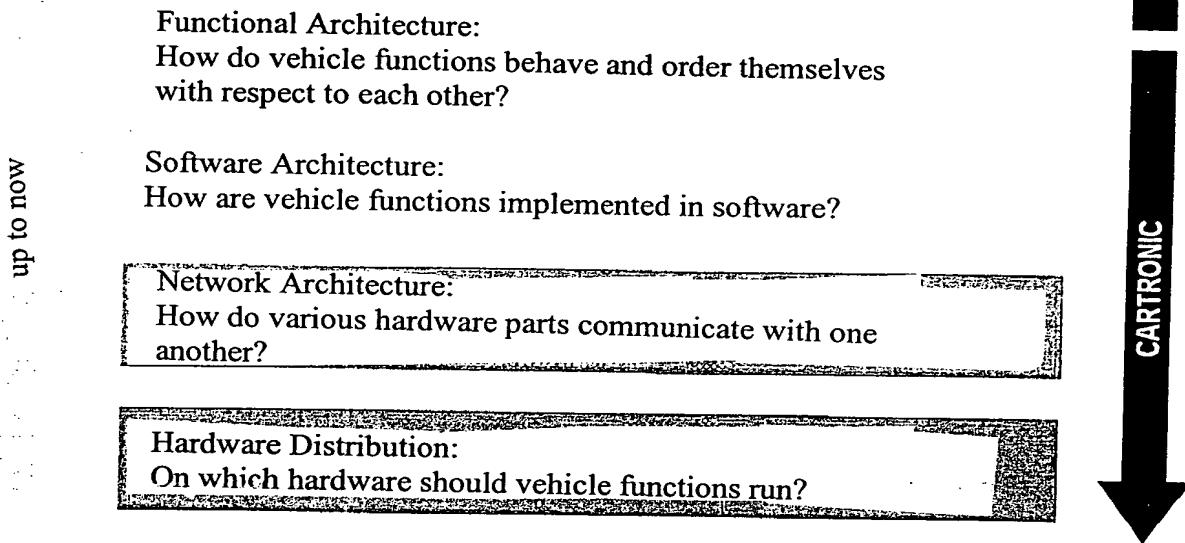


Fig. 2

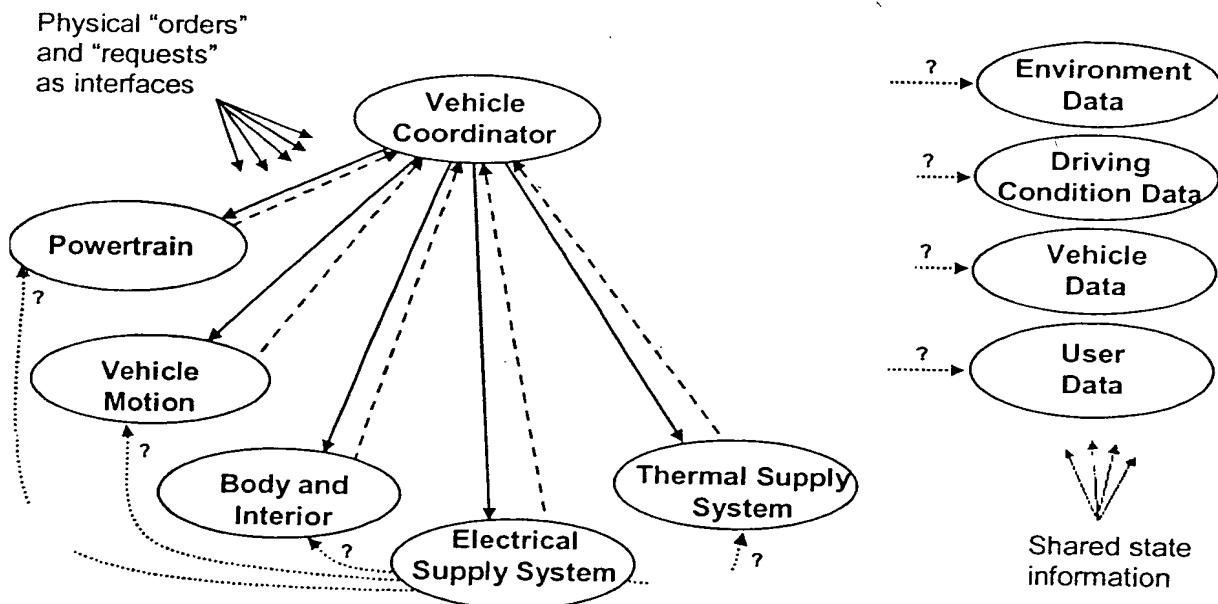


Fig. 3

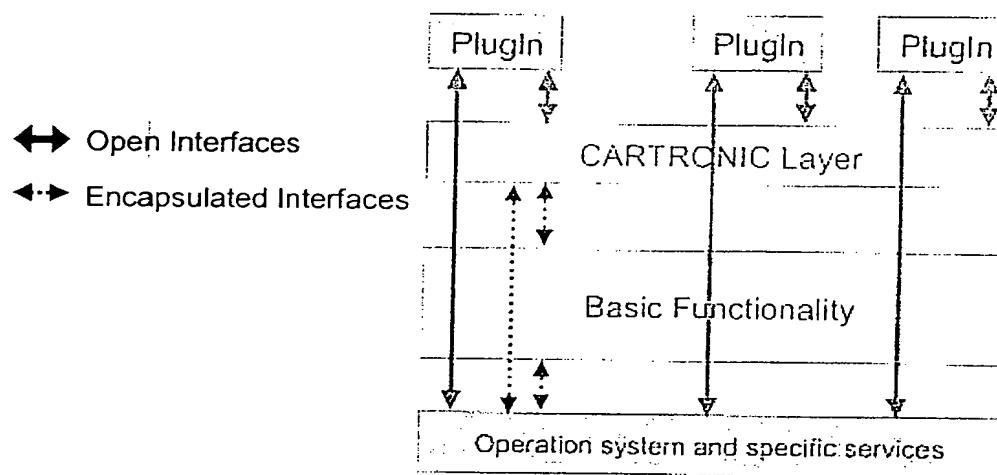


Fig. 4

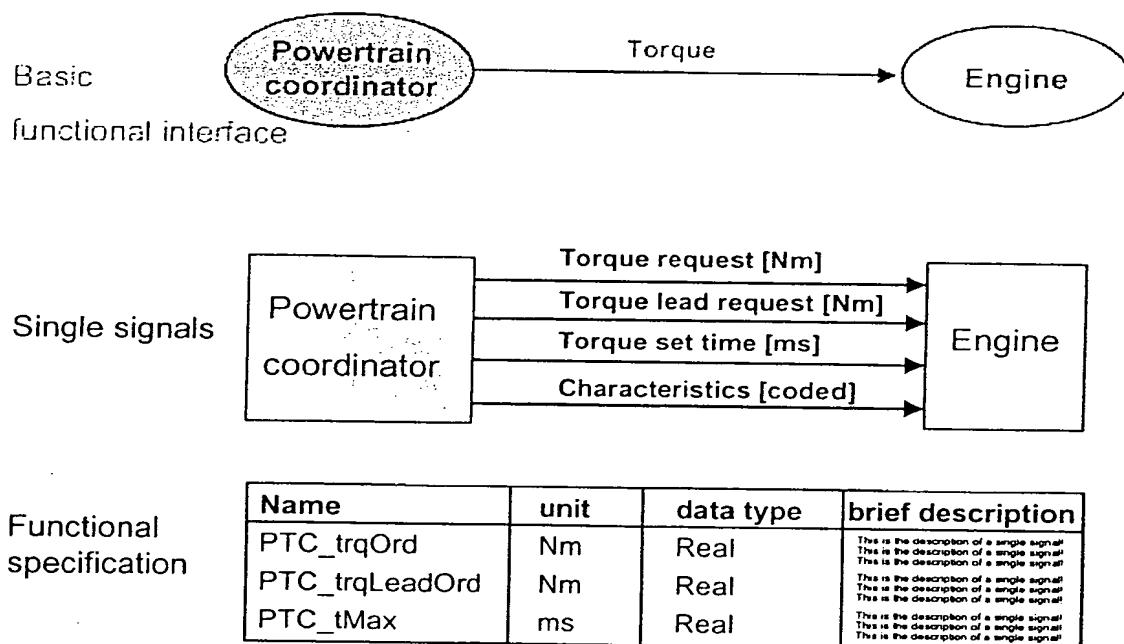


Fig. 5

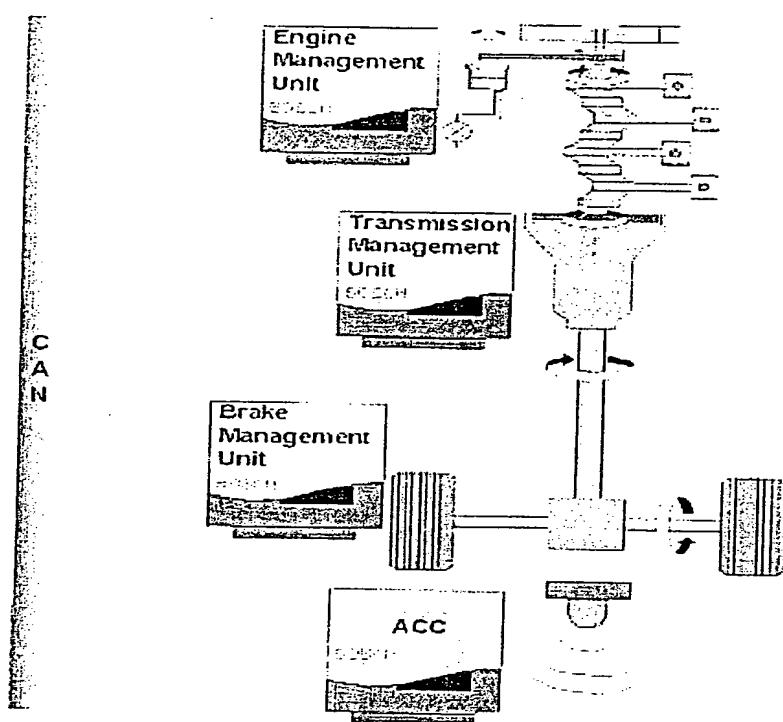


Fig. 6

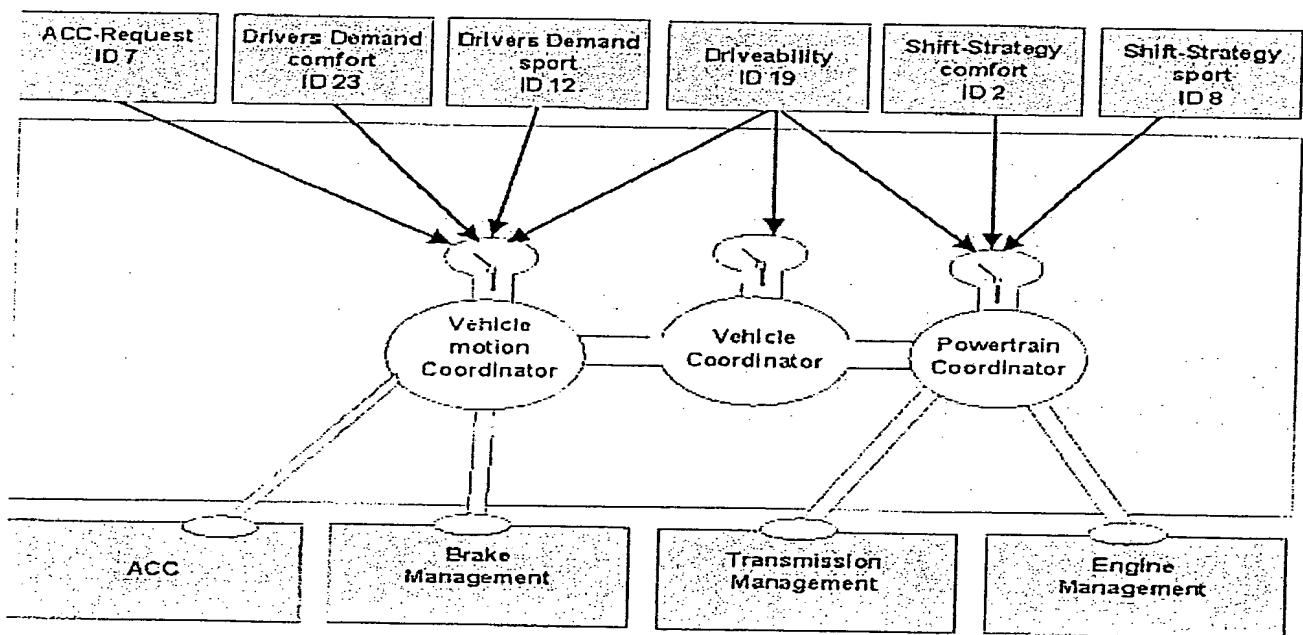


Fig. 7

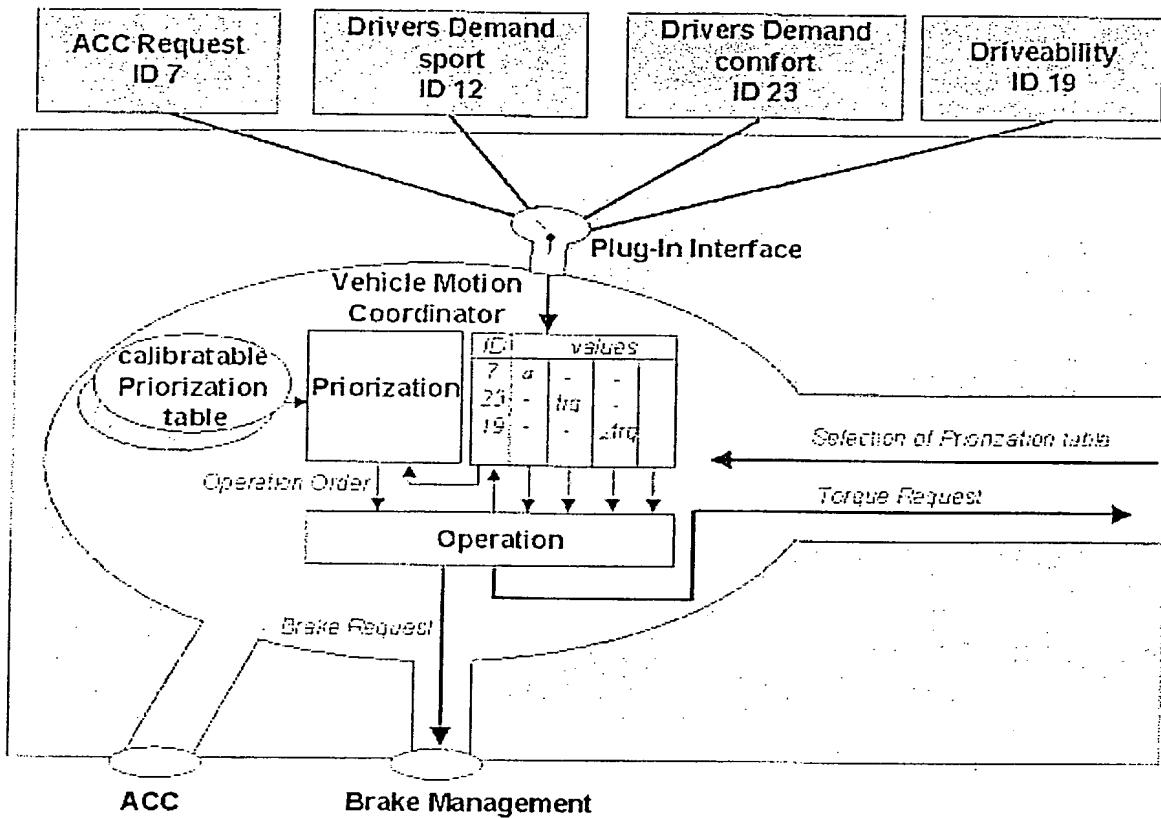


Fig. 8

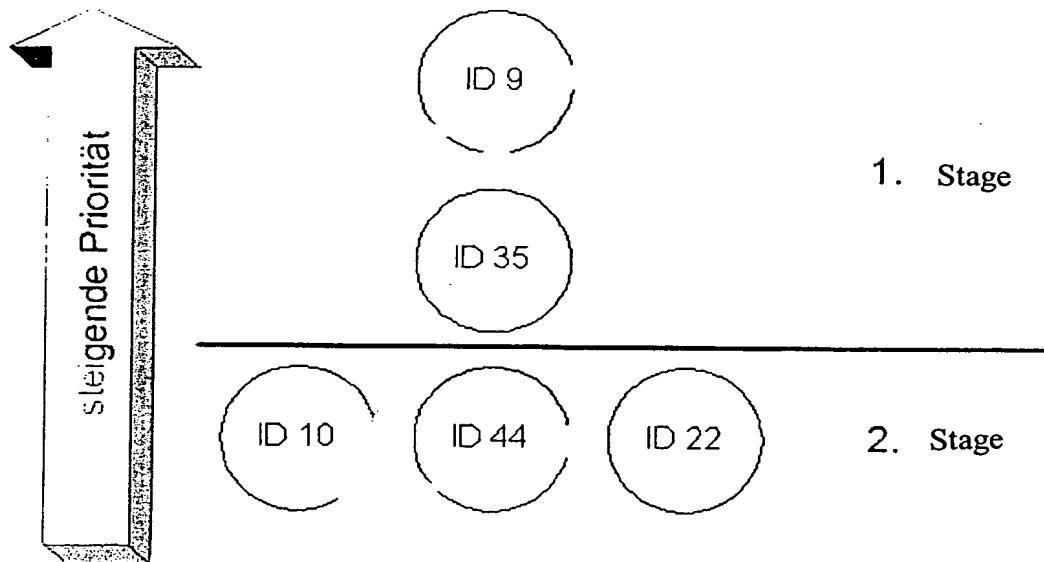


Fig. 9

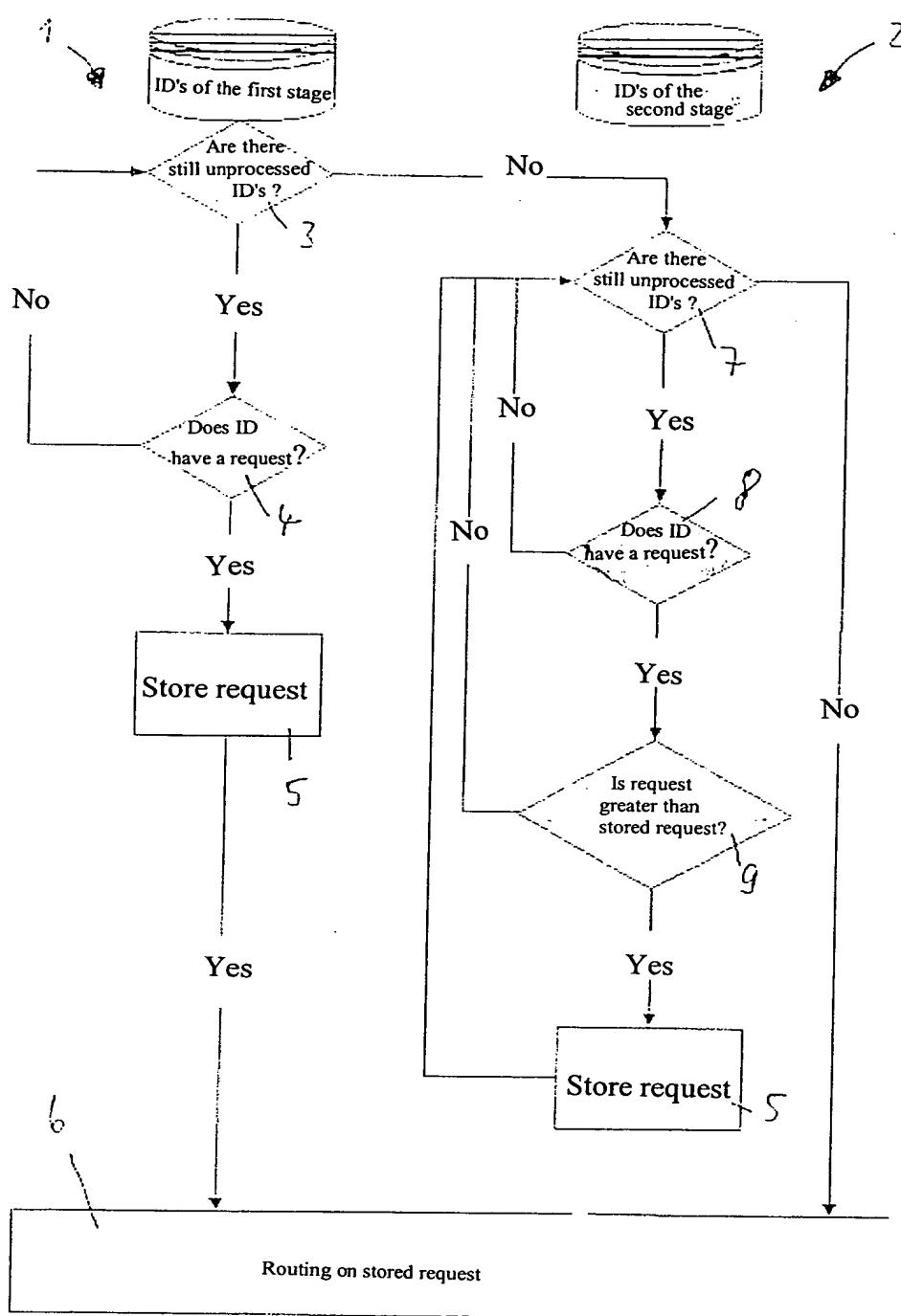


Fig. 10

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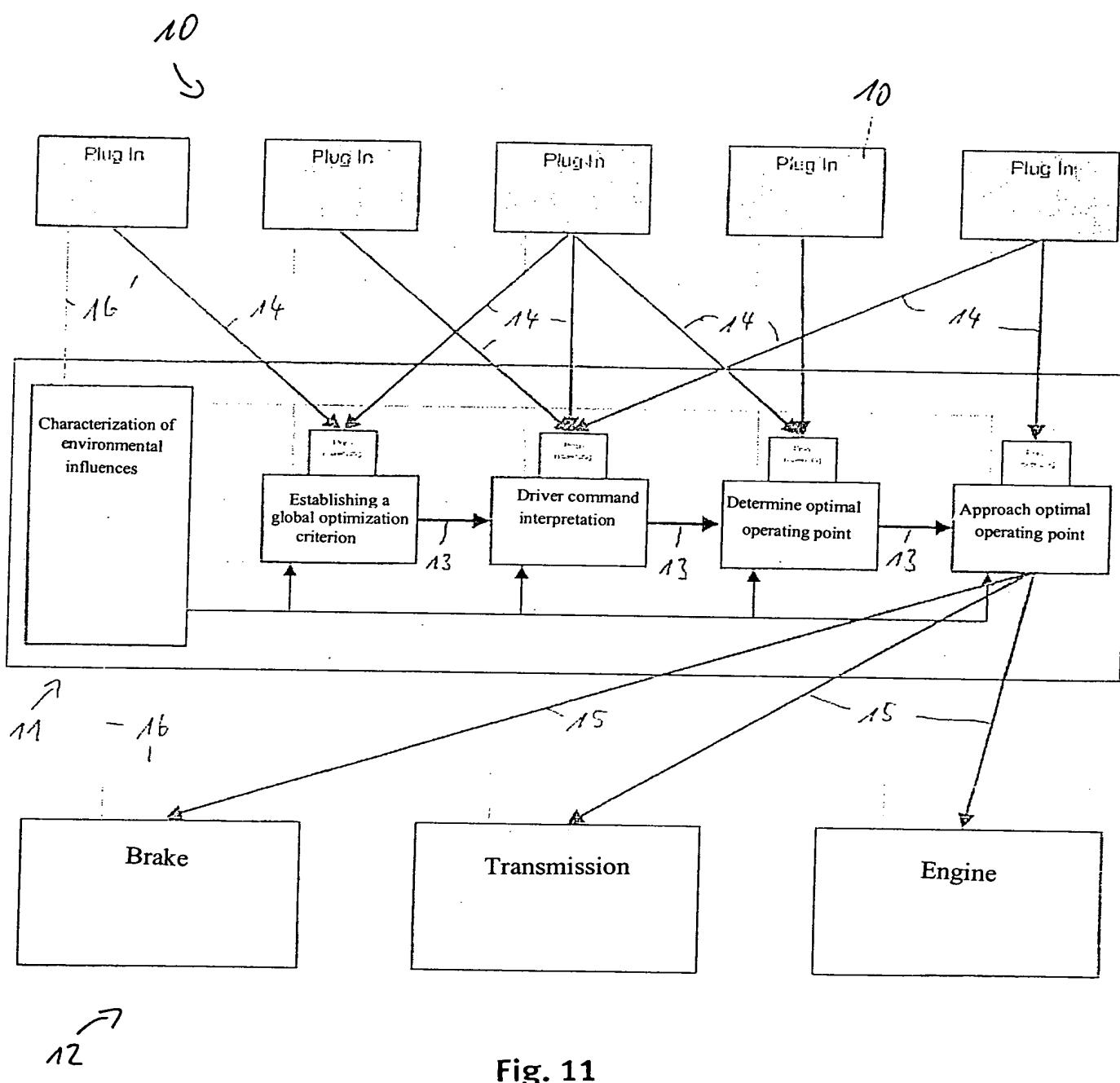


Fig. 11

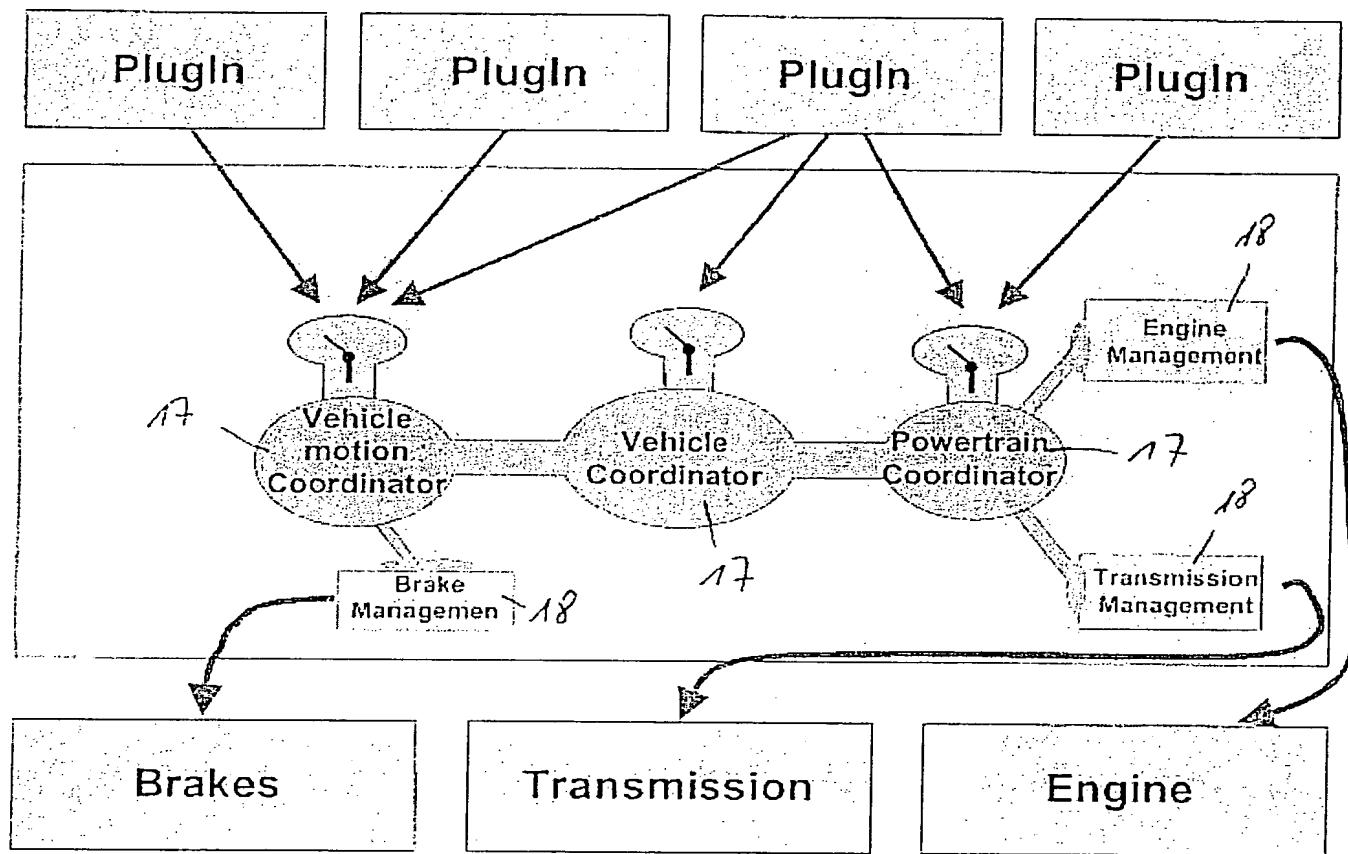


Fig. 12

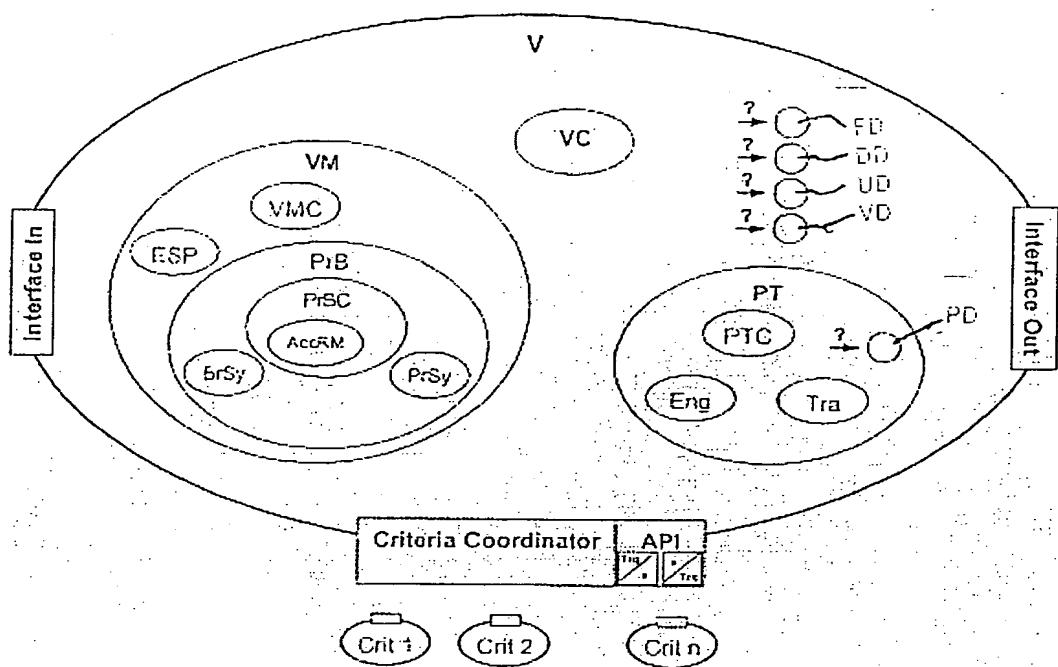


Fig. 13

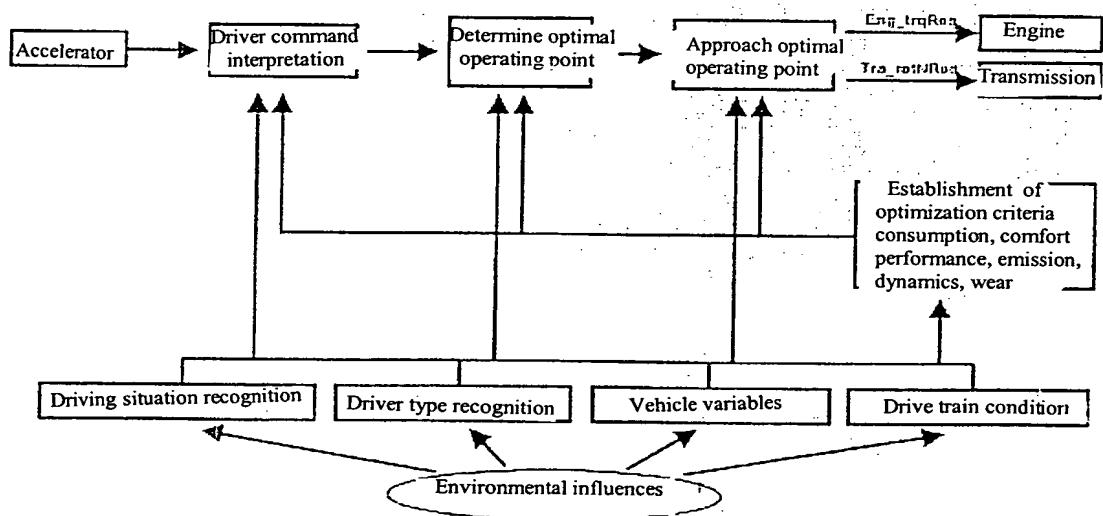


Fig. 14

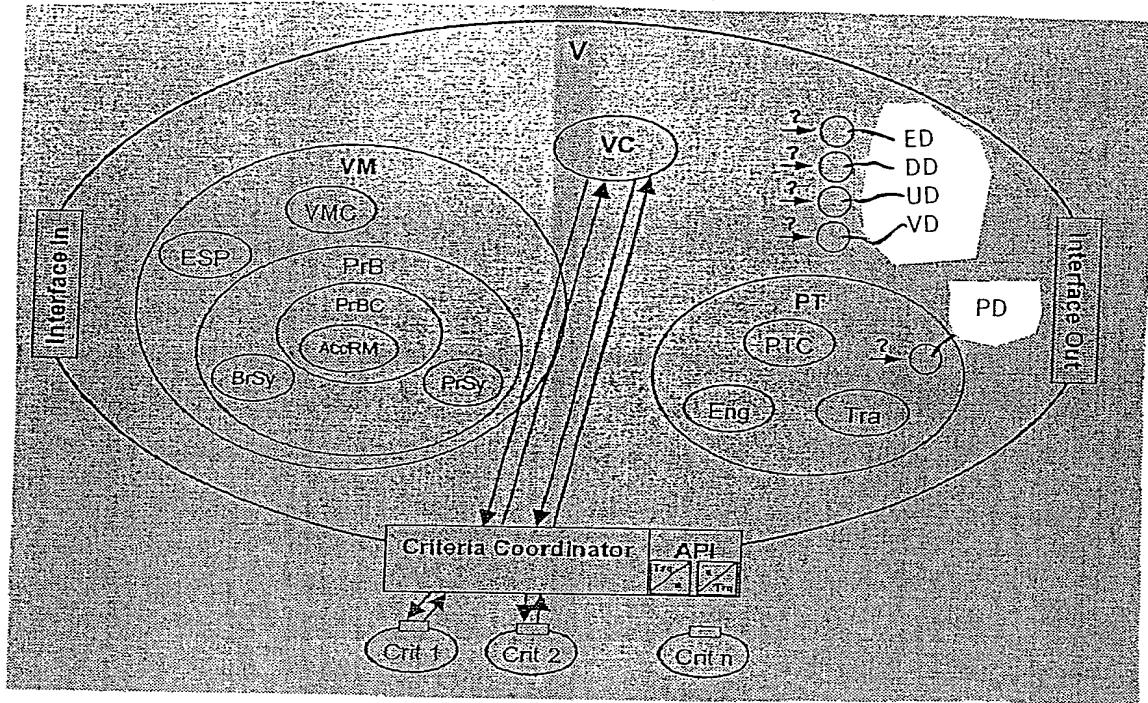


Fig. 15

Sequence	Example
VC → CC-Get-VehOpt(ID1)	Crit1: Winter becomes active when the driving situation winter has been detected
CC → Crit1-Get-VehOpt()	
Crit1 → return(None)	
CC → return(None)	
VC → CC-Get-VehOpt(ID2)	Crit2: Sport becomes active when the driver type is sporty
CC → Crit2-Get-VehOpt()	
Crit2 → return(Sport)	
CC → return(Sport)	Normal driving always active

Fig. 16

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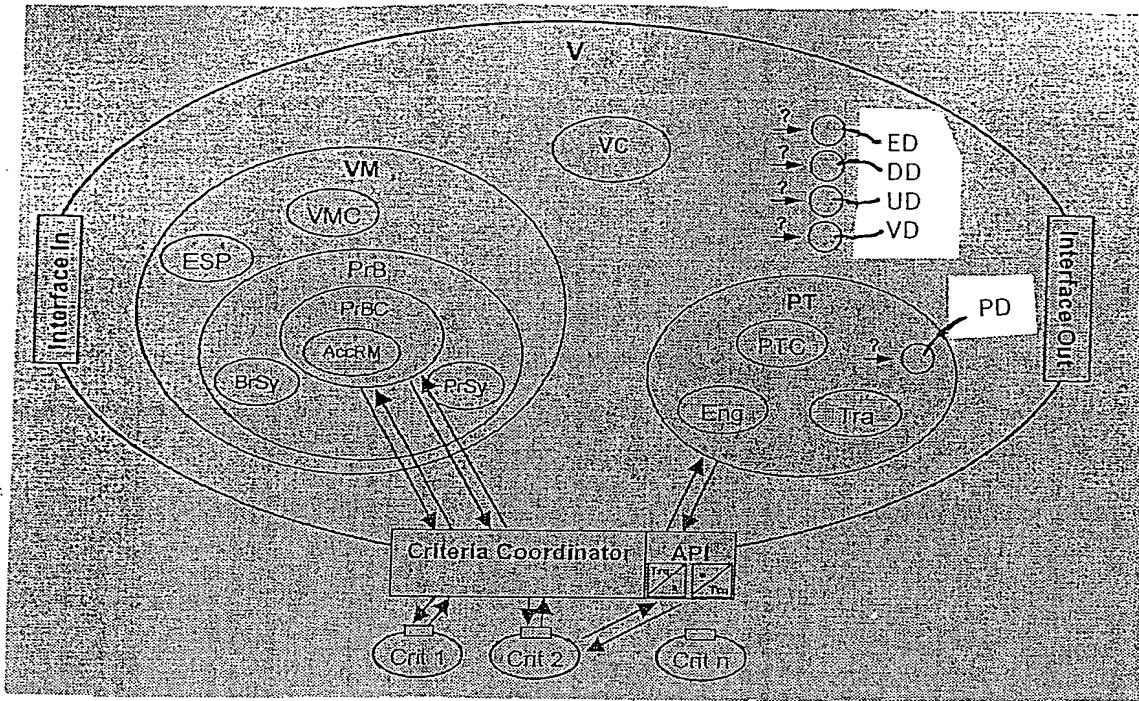


Fig. 17

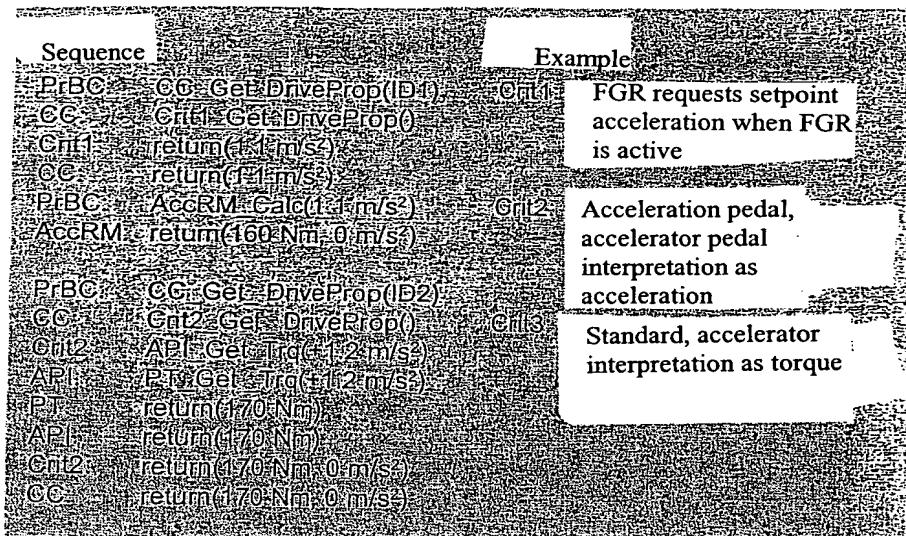


Fig. 18

Interface :

Call- up: Crit_Get_DriveProp()

Return: Total acceleration a_{sum} or propulsion torque $M_{propulsion}$ and braking acceleration a_{brake} and in addition request type

- 0 = Inactive, no request
- 1 = Request is made up of $M_{propulsion}$ and a_{brake}
- 2 = Request is a_{sum}

Fig. 19

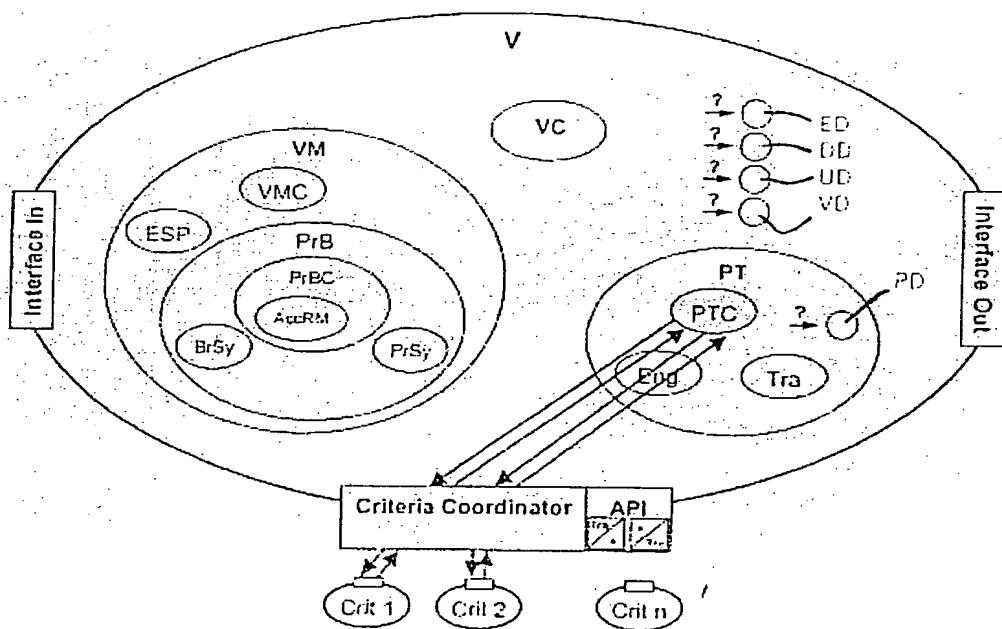


Fig. 20

Sequence :

PTC: CC_Get_OpPointProp(ID1, 180 Nm)
 CC: Crit1_Get_OpPointProp(180 Nm)
 Crit1: return(None)
 CC: return(None)

PTC: CC_Get_OpPointProp(ID2, 180 Nm)
 CC: Crit2_Get_OpPointProp(180 Nm)
 Crit2: return(120 Nm, 0.665)
 CC: return(120 Nm, 0.665)

Example :

- Crit1: Sport requests an operating point having a high torques reserve
- Crit2: Hill requests an operating point having higher rotary engine speed when the driving situation is active
- Crit3: Eco requests a particularly fuel-saving operating point

Fig. 21

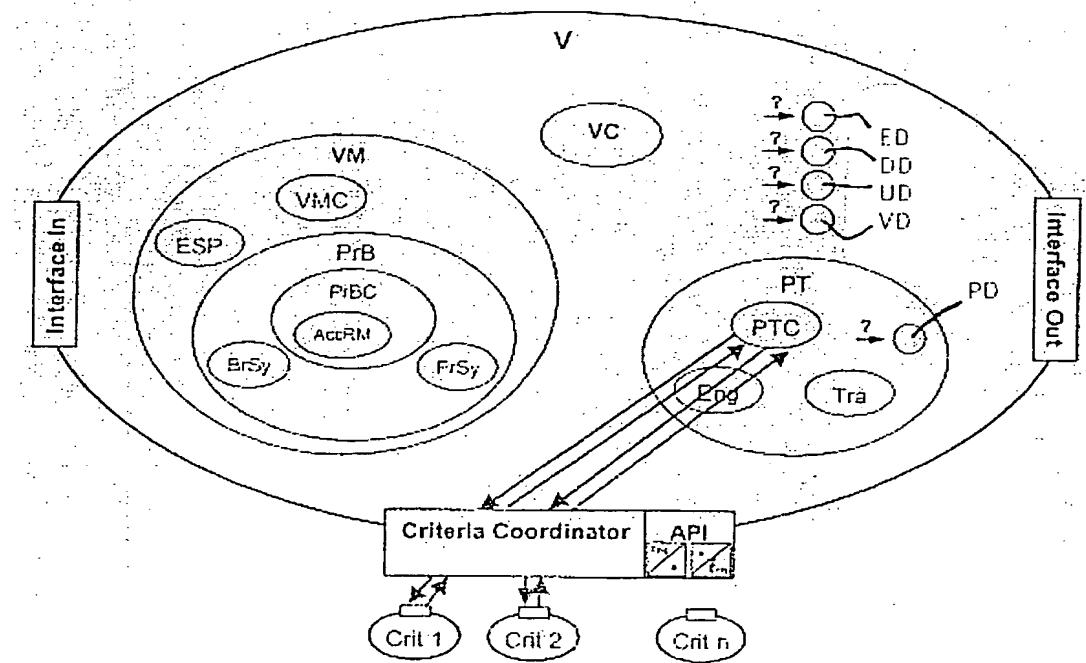


Fig. 22

Sequence :

```
PTC: CC_Get_OpPointGrad(iD1)
CC: Crit1_Get_OpPointGrad()
Crit1: return(None)
CC: return(None)
```

```
PTC: CC_Get_OpPointGrad(iD2)
CC: Crit2_Get_OpPointGrad()
Crit2: return(None)
CC: return(None)
```

Example :

Crit1: Curve, prevents a change in the drive train condition in borderline situations

Crit2: Winter, prevents rapid wheel torque discontinuities on a slippery roadway

Crit3: Downhill, prevents too great transmission ratios for utilization of engine-draw torque

Fig. 23

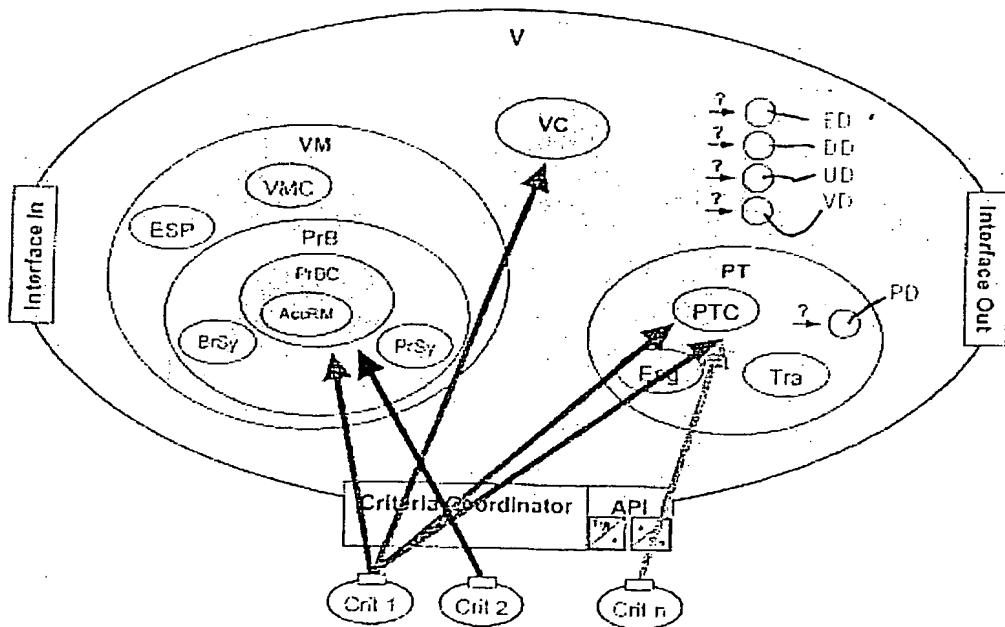


Fig. 24

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